FORM PTO-1390 (REV. 11-2000)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		102241-101
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) **09/868889**

INTERNATIONAL APPLICATION NO. PCT/IB99/02084	INTERNATIONAL FILING DATE 23 Dec. 1999	PRIORITY DATE CLAIMED 24 Dec. 1998

TITLE OF INVENTION
NOVEL THYROID RECEPTOR LIGANDS AND METHOD

APPLICANT(S) FOR DO/EO/US
KARO BIO AB

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [X] This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. [ ] This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. [ ] This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. [ ] The US has been elected by the expiration of 19 months from the priority date (Article 31).

5. [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2))

   a. [X] is attached hereto (required only if not communicated by the International Bureau).

   b. [X] has been communicated by the International Bureau.

   c. [ ] is not required, as the application was filed in the United States Receiving Office (RO/US).

6. [ ] An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).

   a. [ ] is attached hereto.

   b. [ ] has been previously submitted under 35 U.S.C. 154(d)(4).

7. [ ] Amendments to the claims of the International Aplication under PCT Article 19 (35 U.S.C. 371(c)(3))

   a. [ ] are attached hereto (required only if not communicated by the International Bureau).

   b. [ ] have been communicated by the International Bureau.

   c. [ ] have not been made; however, the time limit for making such amendments has NOT expired.

   d. [ ] have not been made and will not be made.

8. [ ] An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).

9. [X] An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unsigned)

10. [ ] An English lanuage translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. [ ] An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. [ ] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. [ ] A FIRST preliminary amendment.

14. [ ] A SECOND or SUBSEQUENT preliminary amendment.

15. [ ] A substitute specification.

16. [ ] A change of power of attorney and/or address letter.

17. [ ] A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.

18. [ ] A second copy of the published international application under 35 U.S.C. 154(d)(4).

19. [ ] A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. [X] Other items or information: Prelim. Ex. Report (PCT/IPEA 416 and 409)
   PCT Request (PCT/RO/101)   International Search Report (PCT/ISA/220)
   PCT Demand (PCT/IPEA/401)   Notification of Receipt (PCT/IB/301)
   Published Application WO 00/39077

U.S. APPLICATION NO. 09/868689	INTERNATIONAL APPLICATION NO. PCT/IB99/02084	ATTORNEY'S DOCKET NUMBER 12241-101

21. [X] The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO **$1000.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO **$860.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO **$710.00**

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) **$690.00**

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) **$100.00**

CALCULATIONS	PTO USE ONLY

ENTER APPROPRIATE BASIC FEE AMOUNT = | $ 860.00 | |

Surcharge of **$130.00** for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | $ | |

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	$	
Total claims	29 - 20 =	9	x $18.00	$ 162.00	
Independent claims	4 - 3 =	1	x $80.00	$ 80.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ $270.00	$	

TOTAL OF ABOVE CALCULATIONS = | $1,102.00 | |

[X] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. + | $ -551.00 | |

SUBTOTAL = | $ 551.00 | |

Processing fee of **$130.00** for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | $ 0.00 | |

TOTAL NATIONAL FEE = | $ 551.00 | |

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property + | $ 0.00 | |

TOTAL FEES ENCLOSED = | $ | |

	Amount to be refunded:	$
	charged:	$ 551.00

a. [ ] A check in the amount of $ _____ to cover the above fees is enclosed.

b. [X] Please charge my Deposit Account No. __23-1665__ in the amount of $551.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1665. A duplicate copy of this sheet is enclosed.

d. [ ] Fees are to be charged to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Docket Coordinator
WIGGIN & DANA
One Century Tower
New Haven, CT 06508-1832
Tel. (203) 498-4400
Fax (203) 782-2889

Todd E. Hull
SIGNATURE

TODD E. GARABEDIAN
NAME

_39,197_
REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re International Application No.:   PCT/IB99/02084

Inventors: Jon Hangeland et al.

International Filing Date: December 23, 1999

Priority Date Claimed: December 24, 1998

For: NOVEL THYROID RECEPTOR LIGANDS AND METHOD

Attorney Docket No.:   102241-101

Certificate of Express Mailing Under 37 C.F.R. § 1.10

I hereby certify that this Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date **20 JUNE 2001** in an envelope as "Express Mail Post Office to Addressee", Mailing Label No. <u>EL662089097US</u> to the Assistant Commissioner for Patents, Washington, D.C. 20231.

<u>Todd E. Garabedian, Ph.D.</u>

Name of Person Mailing Paper   Signature of Person Mailing Paper
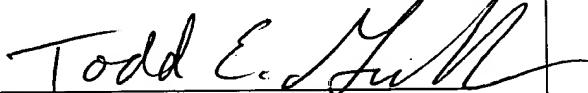
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Enclosed documents: Preliminary Examination Report (PCT/IPEA 416 and 419)

PCT Request (PCT/RO/101)

PCT Demand (PCT/IPEA/401)

International Search Report (PCT/ISA/220)

Unsigned Oath and Declaration

Notification of Receipt (PCT/1/301)

Published Application WO 00/39077

PTO Transmittal Form Letter 1390
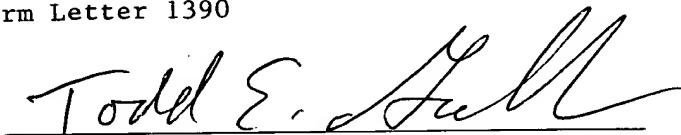
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20 JUNE 2001

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